

S/081/61/000/021/071/094
B138/B101

AUTHORS: Mayorov, V. I., Ponomarenko, V. I., Savel'yev, A. P.

TITLE: Homogeneous pyrolysis of hydrocarbons

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 402, abstract 21M86 (Vest. tekhn. i ekon. inform. N.-i. in-t. tekhn.-ekon. issled. Gos. kom-ta Sov. Min. SSSR po khimii, no. 10, 1960, 18 - 20)

TEXT: The article reports the results obtained in working up the process of homogeneous pyrolysis, i. e., the thermal decomposition of saturated hydrocarbons, using a gaseous heat carrier, on a pilot plant with a capacity of 60 kg/hr. The first series of trials was carried out with a mixed gaseous starting material and with low temperatures for the contact gas in the reaction zone (725°C). The C_3H_6 yield was 22 to 27.8% of the weight of the starting material. When the temperature was raised to 825°C the C_3H_6 yield diminished but the C_2H_4 yield increased from 8.1 to 18%. Another series of trials was carried out with the burner working on Card 1/2

SAVEL'YEV, A.P., BORISOV, A.M., VOL'NOV, YE.G., LITVIN, A.P.,
MARKSON, P.I., BELEN'KAYA, YE.L., BURMISTROVA, R.S.

Production of high purity ethylene.

Report presented to the 12th Conference on high molecular weight
compounds, devoted to the monomers, 3-7 April 62

TALISMAN, L.V., SAVEL'YEV, A.P.; FOMINA, V.I.; CHERNUKHINA, V.G.

Method of increasing the output of propylene. Khim.i tekhn.topl.i
masel 7 no.7:15-20 Jl '62. (MIRA 15:9)

1. Novokuybyshevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta sinteticheskikh smol.
(Propene)

MEMORANDUM

SAVEL'YEV, A.P.; GORDIYENKO, M.K.

Economy of nonferrous metals in the construction and repair of
metalworking equipment. TSvet. met. 35 no.1:50-53 Ja '62.
(MIRA 16:7)

(Metals, Substitutes for) (Nonferrous metals)

SAVEL'YEV, A.P.; NEYAGLOV, A.V.; MOLOCHNIKOV, I.M.

More raw materials should be made available to the petrochemical industry. Neftianik 7 no.9:1-2 S '62. (MIRA 16:7)

1. Zamestitel' direktora Bashkirskogo nauchno-issledovatel'skogo instituta po pererabotke nefti (for Savel'yev).
2. Nachal'nik neftetekhnicheskogo otdela Bashkirskogo nauchno-issledovatel'skogo instituta po pererabotke nefti (for Neyaglov).
3. Rukovoditel'sektora laboratorii ekonomicheskikh issledovaniy Bashkirskogo nauchno-issledovatel'skogo instituta po pererabotke nefti (for Molochnikov).

(Petroleum chemicals)

KOZIK, B.L.; PESTRIKOV, S.V.; SAVEL'YEV, A.P.

Oxidation of butylenes to methyl ethyl ketone in the presence of
palladium chloride. Khim.i tekhn.topl.i masel 8 no.11:11-15 N
'63. (MIRA 16:12)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke
nefti.

ACCESSION NR: AT4043274

S/2744/64/000/007/0068/0074

AUTHOR: Kolesnikova, T. A., Saval'yev, A.P., Berdnikova, L.I., Neyaglov, A.V.,
Dashkova, T.V.

TITLE: Increasing the yield of olefins and saturated gaseous hydrocarbons for the
petrochemical industry

SOURCE: Ufa. Bashkir'skiy nauchno-issledovatel'skiy institut po pererabotke nefti.
Trudy*, no. 7, 1964. Sernistye nefti i produkty ikh pererabotki (Sour crude
oil and products of refining), 68-74

TOPIC TAGS: petroleum, petroleum refining, olefin, hydrocarbon, Bashkir petro-
leum, cracking, thermal cracking, saturated hydrocarbon, petrochemical industry

ABSTRACT: In order to meet the growing demand of petrochemical plants for raw
material, possible ways of increasing the yield of olefins and saturated hydro-
carbons were investigated. It was found that the yield of olefins could be in-
creased 2-3 times in the refineries of the Bashkir ASSR by improving the catalytic
and thermal cracking systems, increasing the coefficient of extraction during gas
fractionation, increasing the stabilization of gasoline, extending the use of com-
pression evaporation and constructing apparatus for obtaining olefins of higher
purity. Data on the yield of gaseous C₁-C₅ components, in weight percent, are

Card 1/2

REF ID: A6521

KOZIK, B.L.; PESTRIKOV, S.V.; SAVEL'YEV, A.P.

Oxidation of butylenes into methylethyl ketone in the presence
of palladium chloride. Trudy BashNII NP no.7:74-80 '64.
(MERA 17:9)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7

LAPITSKAYA, O.I.; SAVEL'YEV, A.P.; MEL'DER, N.A.; MOLOCHNIKOV, I.M.

Technical and economic comparison of the pyrolysis of various
hydrocarbon raw stock. Trudy BashNII NP no.7:169-174 '64.
(MIRA 17:9)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7"

SAVEL'YEV, A.P.; LAPITSKAYA, O.I.; BERG, A.V.

Technical and economic comparison of methods for separating
gases in the petrochemical plants of Bashkiria. Trudy
BashNII NP no.7:163-169 '64. (MIRA 17:9)

SAVEL'YEV, A.S., tekhnik.

Eliminating defects in bent tubes of Shukhov-Berlin boilers.
Energetik 5 no.8:16-17 Ag '57. (MLRA 10:10)
(Boilers)

SAVEL'YEV, A. S.

25915. SAVEL'YEV, A. S. Izuchenie metodikoy anastomozov pishchevaritel'nykh i obmennnykh funktsiy zheludochno-kishechnogo trakta u molodnyaka krupnogo rogatogo skota pri golodanii i pri razlichnom urovne kormleniya. Trudy Vsesoyuz. nauch.-issled., in-ta zhivotnovodstva, t. XVII, 1949, S. 118-39.

So. Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

SAVEL'YEV, A. S.

25870. SAVEL'YEV, A. S. O stroke postancvki korov na mashinnuyu
doyku posle otela. Trudy Vsesoyuz. nauch.-issled. in-ta
zivotnovodstva, t. XVII, 1949, S. 190-99

So. Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

SAVEL'YEV, A.S.

F

1307. HYDROGENATION OF HUMIC ACIDS ON NICKEL CATALYST.
Kukharenko, T.A. and Savel'ev, A.S. (Doklady Akad. Nauk SSSR (Rep. Acad. Sci. U.S.S.R.), 1951, vol. 76, 77-80; abstr. in Chem. Abstr., 1951, vol. 45, 8451, 8452). The course of the reaction in dioxane was the same for acids from peat, brown coal, and sugar. The products were volatile and nonvolatile carboxylic acids, phenols, neutral compounds; many were soluble in water and ether. The ether-insoluble compounds had a neutral character and contained more C and H than the original acids. Humic acids of sugar, unlike the others, were more saturated and formed the greatest amount of the neutral compounds. Ether-soluble compounds obtained from hydrogenation in solution containing enough alkali to neutralize the active acid groups, had the same classes of substances but no phenols. Addition of acid precipitated solid substances soluble in Me_2CO , dioxane, alcohol-ether and insoluble in benzene, they had the characteristics of phenol carboxylic acids and contained more C and H than the original humic acids. Humic acids from brown coal were hydrogenated stepwise in alkaline solution and the products analysed. During the first pass the acids decomposed into soluble compounds and a solid residue which had more C, H, and N, a lower mol. wt., and a smaller number of

functional groups than original humic acids. During the 2nd pass a portion of this substance was decomposed into simple and sol. products and a solid substance. This was accompanied by a small addition of H₂ S₂O₈. The new product contained somewhat more C and H and had the characteristics of the product obtained in the 1st pass. The same occurred during the 3rd and 4th passes; as a result, there remained a small amount of solid material containing 10% more C, 2% more H, and 1% more N than the original product. The N content increased during hydrogenation. The content of MeO groups and S decreased regularly with the duration of the treatment. The results indicate that humic acids have the same structure and the complex composition is due to multifunctional high molecular compounds.

C.A.

1. SIVEL'YEV, A. S.: KUKHARENKO, T. A.
2. USSR (600)
4. Humic Acid
7. Neutral substances in products of hydrogenation of humic acids of diverse origin. Eokl.AN SSSR 86 no. 4 1952
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

KUKHARENKO, T.A.; SAVEL'YEV, A.S.

Hydrogenation of humic acids in solid fuels at various stages of coal
formation. Trudy IGI 8:150-162 '59. (MIRA 13:1)
(Coal geology) (Humic acids)

The electrical gas analyzer G E D-I. A. S. Savil'ev
Tsvetnoy 5, No. 10, 22-30(1938).—The device is adapted
for continuous control of the CO_2 and $\text{CO} + \text{H}_2$ content
of analysis is measured by a special feeding device sucking
up the gas from the dust chamber of the kiln with the aid
of a water-jet pump. The analysis takes place in the
feeders equipped with a Wheatstone bridge elec. arrange-
ment fed with h. d. c. In the circuit are enclosed checking
electromagnetic devices based on the principle and giving readings of CO_2 and $\text{CO} + \text{H}_2$ per-
centages. E. H. Stefanowsky

* 541

ASIN-SEA METALLURGICAL LITERATURE CLASSIFICATION

APRIL 1974

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7"

SAVEL'YEV, A.S., inzhener.

Dust removal diagrams for cement mills by means of electric filters.
TSement 22 no.4:9-13 J1-Ag '56. (MILRA 9:10)

(Dust--Removal) (Cement industries) (Crushing machinery)

SAVEL'IEV, A.S., inzhener.

Redesigning the basic elements of the TS-13 horizontal bipolar
electric filter. TSegment 22 no.6:14-18 N-D '56. (MLRA 10:2)
(Filters and filtration)

SAVEL'YEV, A.S., inshener.

Reconstruction of the TS-13 horizontal bipolar electric filter. Prom.
energ. 12 no.3:12-14 Mr '57. (MERA 10:4)

1. Vol'skiy tsementnyy kombinat.
(Electric filters)

KUKHARENKO, T.A. (Moskva); VVEDENSKAYA, T.Ye. (Moskva);
GRIGOR'YEVA, Ye.A. (Moskva); SAVEL'YEV, A.S. (Moskva)

Obtaining of organic acids from weathered coal. Izv.
AN SSSR. Otd. tekhn. nauk. Met. i topl. no.4:143-149
(MIRA 14:8)

Jl-Ag '61.

(Organic compounds)
(Coal)

SAVEL'YEV, A.S.

Supplying type TS electrostatic filters with high-tension
current. TSement 28 no.4:18 Jl-Ag '62. (MIIA 15:7)

1. Vol'skoye konstruktorsko-tehnologicheskoye byuro.
(Dust collectors)

SAVEL'YEV, A.S.

New types of electrodes for electrostatic precipitators.
TSement 29 no.4:15-16 Jl-Ag '63. (MIRA 16:11)

1. Vol'skoye konstruktorsko-tehnologicheskoye byuro.

K

COUNTRY : USSR
CATEGORY : Forestry. Forest Management.
ABS. JOUR. : RZhBiol., No. 4, 1959, No. 15491
AUTHOR : Savel'yev, A.T.
INST. :
TITLE : Tables of the Circumference and Run-Off of
the Flat-Leaved Birch of Central Yakutia.
ONIG. PUB. : v. sb.: Molodvye lesovody sorokaltiyu
Velikogo Oktjabrya. M. 1957, 179-187
ABSTRACT : No abstract.

CARB:

1/1

20

GIBSHMAN, Aleksandr Yevgen'yevich, doktor tekhn. nauk, prof.; RALAYEVA,
Konkordiya Aleksandrovna, kand. tekhn. nauk; KOLOMEYETS, Aron
Vol'fovich, kand. tekhn. nauk, dots. Prinimal uchastiye ANDREYEV,
A.A., inzh.-ekonomist; SAVEL'YEV, A.V., inzh., retsenzent; MALI-
MANOV, Yu.I., inzh., red.; KHITROV, P.A., tekhn. red.

[Cutting the costs of construction work in the electrification of
railroads] Snizhenie stoimosti stroitel'nykh rabot pri elektrifi-
katsii zheleznykh dorog. Moskva, Vses. poligr. ob"edinenie M-va
putei soobshcheniya, 1961. 123 p. (MIRA 14:10)
(Railroads—Electrification) (Railroads, Electric—Cost of construction)

USHAKOV, S.S., doktor tekhn.nauk; VASIL'YEV, N.P., inzh.; MULYUKIN, F.P., inzh.;
SAVEL'YEV, A.V., inzh.

"Prospecting, design and planning of railroads" by A.V.Gorinov.
Reviewed by S.S.Ushakov and others. Zhel,dor.transp. 44 no.3:93-94
Mr '62.

(Railroad engineering)
(Gorinov,A.V.)

SOKOLOVA, N.A.; POLYAKOV, V.G., starshiy inzh.; SAVEL'YEV, A.V., master
kraskovarki

Production of chromium acetate from the wastes of chrome plating
removal from printing rollers. Tekst.prom. 22 no.8:61-62 Ag '62.
(MIRA 15:8)

1. Nachal'nik khimicheskoy laboratorii otdelochnoy fabriki Bol'shoy
Ivanovskoy manufaktury (for Sokolova). 2. Otdelochnaya fabrika
Bol'shoy Ivanovskoy manufaktury (for Polyakov, Savel'yev).
(Chromium acetate) (Salvage (Waste, etc.)

POLYAKOV, V.G.; ZHUKOVA, M.P., inzhener-kolorist; CHERNOMORDIK, A.Z., inzhener-khimik; SAVEL'YEV, A.V., master

Development of the 4.3M phthalocyanogen dye on fibers. Tekst.prom. no.2:
(MIRA 16%)
63-64 F '63.

1. Starshiy inzhener khimicheskoy laboratorii fabriki Bol'shaya Ivanovskaya manufakturna (for Polyakov). 2. Fabrika Bol'shaya Ivanovskaya manufakturna (for Zhukova, Chernomordik). 3. Pechatnaya laboratoriya fabriki Bol'shaya Ivanovskaya manufakturna (for Savel'yev).
(Dyes and dyeing—Textile fibers)

SAVEL'YEV, A.V., prof.

Contrast radiography of Highmore's antrum as a method for determining the flow from the cavity. Sbor. trud. Kursk. gos. med. inst. no.13:231-234 '58. (MIRA 14:3)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. A.V. Savel'yev) Kurskogo gosudarstvennogo meditsinskogo instituta.
(NOSE, ACCESSORY SINUSES OF—RADIOGRAPHY)

SAVEL'YEV, A.V., prof.

Attracting practicing doctors to research at Kursk Medical Institute.
(MIRA 14:10)
Biul. Uch. med. sov. 2 no.1:24-26 Ja-F '61.
(KURSK-MEDICAL RESEARCH)

SAVEL'YEV, A.V., prof.; KUROCHKINA, A.G., dotsent

Work of the Kursk Medical Institute in aid of the public health system. Zdrav. Ros. Feder. 5 no.6:26-29 Je '61. (MIRA 14:6)

1. Iz Kurskogo meditsinskogo instituta (dir. - prof. A.V.Savel'yev).
(KURSK PROVINCE—PUBLIC HEALTH)

SAVEL'YEV, A.V., prof.

Contrast radiography of the temporal bone in some forms of complicated
otitis media suppurativa. Sbor. trud. Kursk. gos. med. inst. no.16:
106-108 '62. (MIRA 17:9)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. A.V.
Savel'yev) Kurskogo meditsinskogo instituta.

L 47121-66 EWT(d)/EWP(l) IJP(c) BB/GG

ACC NR: AR6016026

SOURCE CODE: UR/0271/66/000/001/B039/B039

AUTHOR: Semenov, Yu. I.; Kharitonov, A. G.; Savel'yev, A. V.; Prozorov, Yu. P.

TITLE: Analysis of analog—code information converters

12

B

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 1B278

REF SOURCE: Novyye sredstva avtomatiz. dlya ugol'n. prom-sti. Vyp. 2. Kiyev,
Tekhnika, 1964, 192-202

TOPIC TAGS: converter circuit, converter, analog converter

16

ABSTRACT: After a brief review of existing types of analog—code converters a
converter circuit is described which operates according to the principle of compar-
ing the input voltage with the standard sawtoothed variable voltage. The dynamic
balance method is applied in the circuit. Single elements are described and the
converter's precision is analyzed. Orig. art. has: 6 figures. Bibliography of 4
titles. [Translation of abstract] [NT]

SUB CODE: 09/

LS
Card 1/1

UDC: 681.142.621

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7

TRUBNIKOV, N.V.; BELOV, B.I.; SAVEL'YEV, A.Ya.; ANISIMOV, B.V., kand.
tekhn.nauk, red.

[Program controlled machine tools] Programmnoe upravlenie metallo-
rezhushchimi stankami. Pod red. B.V.Anisimova. Moskva, 1957. 39 p.
(Machine tools--Numerical control) (MIRA 11:3)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7"

SAVEL'yev, A.YA.

Moscow, Vysshaya tekhnicheskaya uchilishche imeni Baumana. Kafedra matematicheskikh voprosov.

Vyshchitchnaya tekhnika (Computer Techniques) Moscow, Mashgiz, 1959.
153 p. (Series: Tekn. Vysheye uchiliashchee. Vysshaya tekhnicheskaya uchilishche.)
Sbornik, No. 2) 2,500 copies printed.

Ed.: B.V. Anisimov, Candidate of Technical Sciences; Tech. Eds.: E.I. Model and A.Y. Savel'ev; Managing Ed. for Literature on Machine Building and Instrument Construction: N.V. Polkovodsky, Engineer.

PURPOSE: This book may be useful to aspirants and other students specializing in computer technology, and also to designers and engineering and technical personnel who make use of electronic computers. School Iosif Baumana) In honor of the 10th Anniversary of the October Revolution. The articles contain the results of theoretical and experimental studies on the performance of various components of electronic computers. Among the topics discussed are programs storage, control devices, the connection between the parameters of an algorithm and a machine, etc. The application of these components to the control of technological processes is also discussed. (Author: A.Y., Candidate of Technical Sciences, Analysis of the Quality of Service Parameters on Systems With Discrete Element Amplifier

Dobrov, Ye.V., Engineer. The Effect of Block Diagram Parameters on the Performance Quality of a Tubeless Direct Current Operational Amplifier

Anisimov, B.V., Candidate of Technical Sciences, V.N. Golubin, Candidate of Technical Sciences, and Yu.M. Dovzhikov, Engineer. Device for Transforming the Form of Recording of a Program for a Computer

Trofimov, M.V. Candidate of Technical Sciences, and A.I. Tsvetkov, Engineer. Certain Principles of Constructing Local Control by External Memory Devices

Vlasenko, V.I., Candidate of Technical Sciences, G.S. Zhdanov, Professor, A.M. Demchenko, Engineer, and I.M. Antonov, Engineer. Method of Forming the Range of Numbers by Means of a Paralle Matrix

Surender, Yu.B., Candidate of Physical and Mathematical Sciences. The Connection Between the Parameters of an Algorithm and of a Machine

Anisimov, B.V., Candidate of Technical Sciences, V.I. Golubin, Candidate of Technical Sciences, and A.Y. Savel'ev, Engineer. Device for the Control of Recording of Information on Magnetic Tape

Yasill'yev, O.P., Engineer. Analysis of Certain Relationships for an Econometric Selection of the Dimensions of a Magnetic Drum

Anisimov, B.V., Candidate of Technical Sciences, and Yu.V. Vinogradov, Engineer. On the Problem of the Exactness of the Numerical Presentation of Continuously Varying Values in a Numerical Code

Surender, Yu.A., Candidate of Physical and Mathematical Sciences. Solution of Boundary Value Problems by the Method of Polynomial Approximations

Markov, O.Y., Engineer. Certain Considerations on the Preventive Control of Electronic Computers

M.S. Saplin, Engineer. Photoelectric Device Which Receives Printed Numerical Signs

Pashchayev, A.M., Engineer. Analysis of Information Storage Computers

Chesverikov, V.N., Candidate of Technical Sciences. Relay Triggering Drive With Electromagnetic Powder Clutch

Kalashnikov, V.A., Engineer. Certain Algorithms for the Rational Planning of Production

Ruzhetsov, N.M., Candidate of Technical Sciences. Circuit Mechanisms for Programmed Control

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7

ANISIMOV, B.V., kand.tekhn.nauk; GOLUBKIN, V.N., kand.tekhn.nauk;
SAVEL'YEV, A.Ya., inzh.

Magnetic tape recording control devices. [Trudy] MVTU no.2:
75-80 '59. (MIRA 13:5)
(Magnetic recorders and recording)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7"

SAVEL'YEV, A.Ya., kand. tekhn. nauk.

Treatment of tabularly presented functions for input in a
specialized computer. Vych. tekhn. [MVTU] no.3:32-43 '63.
(MIRA 17:2)

SAVEL'YEV, A.Ya., kand. tekhn. noplk

Selection of a random quantity with even distribution. Vych.
tekhn. [MVTU] no.3:67-73 '63. (MIRA 17:2)

L 4029-66 ENT(m)/EWA(h) DM
ACCESSION NR: AP5027961

UR/0089/65/019/001/0059/0061

27

B

AUTHOR: Savel'yev, A. Ye.

TITLE: Analyses of prompt neutron spectra for sub ^{252}Cf spontaneous fission

SOURCE: Atomnaya energiya, v. 19, no. 1, 1965, 59-61

TOPIC TAGS: prompt neutron, neutron spectrum, nuclear fission, californium, isotope

ABSTRACT: An analysis is made of previous measurements of the spectrum of neutrons from spontaneous fission of sup 252 Cf at various angles with respect to the direction of the light fragments. It is assumed that the neutron fission spectrum is isotropic in the cms of the fragments. The neutron spectra from light and heavy fragments are calculated in the cms. By transforming these spectra to the laboratory system and comparing calculated and experimental values, it is seen that the deviation of the calculated spectra from the experimental ones lies practically within the limits of the experimental and calculational errors. Thus it is concluded that in the cms of the light and heavy fragments the neutron spectra are isotropic within 10 to 15%. The cms spectra from light and heavy fragments are also compared with calculations based on the statistical theory of the nucleus. Orig. art. has 5 formulas and 4 graphs.

Card 1/2

L 4029-66

ACCESSION NR: AP5027961

ASSOCIATION: none

SUBMITTED: 09Jul64

ENCL: 00

SUB CODE: NP

NO REF SOV: 000

OTHER: 003

NA

Card 2/2 DP

L 9303-66 EWT(m) DIAAP DM
ACC NR: AP5022627

UR/0089/65/019/002/0116/0119
539.173.4:539.166.2

AUTHOR: Zommer, V.P.; Savel'yev, A.Ye.; Prokof'yev, A.I.

TITLE: Prompt fission gamma quanta 19,55

SOURCE: Atomnaya energiya, v. 19, no. 2, 1965, 116-119

TOPIC TAGS: gamma ray, gamma spectrum, FISSION PRODUCT

ABSTRACT: The existing disagreement between the theoretical and experimental data on the total energy of prompt gamma rays was investigated. The spectrum of prompt gamma rays produced in fission of U-235 by thermal neutrons was calculated using the neutron evaporation theory. The calculated spectrum, in its general shape, is similar to that obtained experimentally. However, the calculated total energy of emitted gamma rays of about 6.2 Mev is considerably lower than the experimental data of 8 to 9 Mev. A conclusion was drawn that this inconsistency can be eliminated when allowance is made for the considerable number of fragments which remain at low excitation energy levels (0 to 2 Mev) as a result of a cascade evaporation of neutrons. Orig. art. has: 2 graphs and 9 formulas.

ASSOCIATION: none

SUBMITTED: 20Jul64

ENCL: 00

SUB CODE: NP

NO REF Sov: 004

OTHER: 012 :

Card 1/1 *leb*

SOV/163-58-1-10/53

AUTHORS: Pokhvissnev, A. N., Savel'yev, B. A.

TITLE: The Mechanism of the Solidification of Molds in Burning
(O mekhanizme uprochneniya okatyshey pri obzhige)

PERIODICAL: Nauchnyye doklady vysshyey shkoly. Metallurgiya, 1958,
Nr 1, pp 43-47 (USSR)

ABSTRACT: To explain some rules governing the mechanism of the solidification of molds in burning the authors carried out some investigations. It was found that the strength of the molds depends on the burning temperature.

The decomposition temperature under pressure, as well as the micro and macro structures were necessary for the determination of the molds.

The following processes occur in the solidification of the molds of magnetite ores and concentrates:

a) An oxidation of magnetite to hematite whereby a recrystallization of the hematite grains occurs. The formation of solid molds is most influenced by the recrystallization of the magnetite grains. It is useful to burn the molds prior to use at oxidation temperatures of 1200 - 1300°C for 30 minutes.

Card 1/2

SOV/163-58-1-10/53

The Mechanism of the Solidification of Molds in Burning

The solidification of the molds of hematite ores and concentrates is promoted by the formation of slags. In the solidification of magnetite and hematite molds certain additions exert a positive influence, as they reduce the burning time of the molds from 30 to 10 minutes. Mainly CaO up to 3 % is used as the impurity which positively influences the solidification process.

The higher the iron content in the ore and in the concentrates the higher is the strength of the molds produced from these components. There are 4 figures.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

SUBMITTED: October 1, 1957

Card 2/2

SAVEL'YEV, B.A., Cand Tech Sci—(diss) "Study of strengthening of
pellets ^{up} ~~the~~ regime ~~and~~ ^{the} ~~method~~ ^{of} ~~reheating~~." ~~the~~

Mos, 1958. 8 pp (Min of Higher Education USSR. Nos Order of Labor

Red Banner Inst of Steel im I.V. Stalin), 120 copies (II, 22-53,109)

SAVEL'YEV, B.A.; ZHUNEV, A.G.

Efficient use of roasted Bakal deposit siderites in blast furnace
burdening. Stal' 21 no. 6:498 Je '61. (MIRA 14:5)
(Blast furnaces)

REF ID: A6511
S/0139/64/005/005/0080/0085
ACCESSION NR: AP4047350

AUTHOR: Zuyev, V. Ye.; Kabanov, M. V.; Savel'yev, B. A.

G

TITLE: Attenuation of light signals in a scattering medium. III.
Applicability of an exponential law of attenuation

SOURCE: IVUZ. Fizika, no. 5, 1964, 80-85

TOPIC TAGS: light scattering; fog effect; fog optical thickness;
atmospheric light beam interaction

ABSTRACT: A study was made to determine the limits of applicability of an exponential law for the attenuation of a light signal in a scattering medium. In connection with this, Bouguer's law was verified experimentally in order to describe the attenuation of direct monochromatic radiation in artificial fog. In order to obtain results which have a direct bearing on the method used in these measurements, the effect of side-scattering of radiation was taken into account. The experimental apparatus used for this purpose was described in an earlier article [Zuyev, V. Ye., M. V. Kabanov, IVUZ. Fizika, no. 4, 1964]. The experimental results obtained for three types of finely-

Card 1/3

SAVEL'YEV, B.A., starshiy nauchnyy sotrudnik

Instructions for the study of thermal properties of ices. Mat.
po lab. iesl. merz1. grun. no. 2:193-214 '54. (MLRA 8:8)

1. Tsentral'naya laboratoriya Instituta merzlotovedeniya Akademii nauk SSSR.

(Ice)

SAVEL'YEV, B.A., starshiy nauchnyy storudnik

Directions for photographing ice structures in polarized light.
Mat.po lab.issl. merzl.grunt. no.2:232-235 '54. (MIRA 8:8)

1. TSentral'naya laboratoriya Instituta merslotovedeniya Akademii
nauk SSSR.
(Ice) (Polarization (Light))

SAVEL'YEV, B.A., prof., doktor geol.-mineral. nauk; KUDRYAVTSEV, V.A., prof., doktor geol.-mineral. nauk, otvetstvennyy red.; SIL'KIN, B.I., red.

[Investigating the mechanical and physical properties of ice; a manual] Izuchenie mekhanicheskikh i fizicheskikh svoistv leda;
rukovodstvo. Moskva, Izd-vo Akad. nauk SSSR, 1957. 62 p.
(MIRA 11:8)

1. Russia (1923- U.S.S.R.) Mezhdunarodnyy komitet po
provedeniyu Mezhdunarodnogo geofizicheskogo goda.
(Ice--Testing)

SAVEL'YEV, B.A.

TSYTOVICH, N.A.; NERSESOVA, Z.A.; BOZHENOVA, A.P.; TATYUNOV, I.A.; DOSTOVALOV,
B.N.; SHUMSKIY, P.A.; BAKULIN, F.G.; SAVEL'YEV, B.A.; ZHUKOV, V.F.;
MARTYNOV, G.A.; VYALOV, S.S.; SHUSHARINA, Y.G.P.

Physical phenomena and processes in freezing, frozen, and thawing
soils; general comments. Mat. po lab. issl. merzl. grunt. no.3:7-
114 '57. (MIRA 10:11)

(Frozen ground)

SAVEL'YEV, B.A.

Characteristics of the thawing of ice within the ice cover and
in frozen rocks. Probl.Sav. no.1:149-155 '58. (MIRA 11:12)

1. Geologicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta.

(Thawing)

SAVEL'IEV, B.A.

Seismic observations made by American scientists in the Arctic
Ocean. Probl. Sev. no.1:300-302 '58. (MIEA 11:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova,
Kafedra merzlotovedeniya geologicheskogo fakul'teta.
(Barter Island region--Seismic waves)

SAVEL'YEV, B.A.

Establishing the age of Arctic ice islands (according to the
data of foreign explorers). Probl.Sov. no.1:341-345 '58.
(MIRA 11:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova,
Kafedra merzlotovedeniya geologicheskogo fakul'teta.
(Arctic regions--Ice)

SAVEL'YEV, B.A.

Studying ice in the region of the drifting station "North Pole
4" during its thawing and disintegration in 1955. Probl. Sev.
(MIRA 12:4)
no.2:47-79 '58.

1. Moskovskiy Gosudarstvennyy universitet imeni Lomonosova.
(Arctic Ocean--Ice)

SAVELEV, B.A.; SUDAKOV, V.A.

Optical study of snow crystals. Inform.sbor. o rab. Geog.fak. Mosk.
gos.un.po Mezhdunar.geofiz.godu no.3:92-94 '58. (MIRA 13:5)
(Snow--Optical properties)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7

SAVEL'YEV, B.A.

Birth of the iceberg. Inform.biul.Sov.antark.eksp. no.14:38
(MIRA 13:6)
'60. (Icebergs)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7"

SAVEL'YEV, B.A., doktor geologo-mineralogicheskikh nauk

Structural characteristics of the marginal zone of the
Antarctic ice cover in the Mirnyy area. Inform.biul.Sov.
antark.eksp. no.18:9-10 '60. (MIRA 13:7)

1. Chetvertaya kontinental'naya ekspeditsiya.
(Mirnyy region, Antarctica--Ice)

SAVEL'YEV, B.A.

Processes and factors affecting the formation of ice-cap islands
in the Antarctica. Marzliissl. no.2:139-146 '61. (MIRA 16:5)
(Antarctic regions--Ice)

S/169/61/000/012/042/089
D228/D305

AUTHOR:

Savel'yev, B. A.

TITLE:

Glaciologic investigations of the 4th Complex
Antarctic Expedition in 1959

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 12, 1961;
60-61, abstract 12V433 (Vestn. Mosk. un-ta.
Geologiya, 1961/6 no. 3, 3-9)

TEXT: The anomalous lowering¹ of the temperature of ice near Mirnyy to a depth of 175 m has been detected. It is due to cooling which occurred 100 - 150 years ago. According to seismic determinations on the Komsomol'skaya-South Pole profile, the glacier bed has been raised above sea-level (to 210 m) for the first 460 km of the profile. From 460 to 1600 km, the bed lies at ocean level or below it (the lowest position being 290 m at Stn. Vostok). From 1600 km to the South Pole, the bed lies

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D228/D305

Glaciologic investigations of...

somewhat above sea-level. The average thickness of the ice sheet is 3290 m. The firm density in holes and shafts was measured by gamma-gamma- and gamma-neutron logging. The upper 1 - 4 annual layers are composed of fine-grained snow, then there are 4 annual layers of medium-grained snow, followed by 4 annual layers (with grains of up to 12 mm) layers. For 1957-1959, the average accumulation on the Mirnyy-Pionerkaya profile was equal to 800 mm. The dimensions of its crystals near Mirnyy regularly increase with depth from 2 - 5 mm at the glacier surface to 30 - 40 mm in the lower layers. The lower two meters consist of congealed fresh ice that was formed on the freezing of water migrating beneath the ice from the center of the continent. The orientation of the axes of crystals is most well-regulated in the middle layers (55 - 80 m), i.e., in the region of maximum stresses. The comparison of seismic soundings, leveling, and observations for the accumulation on the dome of Drigal'skiy Island testifies to the equilibrium state of the

Card 2/4

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D228/D305

Glaciologic investigations of...

latter. The shape of the dome is almost ellipsoidal. The rate of propagation of longitudinal ultrasonic vibrations, from which the modulus of dynamic elasticity was then calculated, was determined in specimens of snow, firn, and ice by means of an IKL-5 (IKL-5) oscillograph and crystals of Seignette's salt. The relation is exposed between the speed of propagation of ultrasonic vibrations and the ice density which enables this density to be determined by the ultrasonic method. The degree of regulation in the orientation of ice crystals may also be judged from differences in the velocity of propagation of vibrations along the glacier's vertical surface. Judging from laboratory tests, the coefficient of viscosity of the ice varies by tens of times as the load changes by several fold. A description of a bowl of sagging in a snow sample beneath a cylindrical stamp is given. The flow of heat at the bottom of the lake in Banger Oasis was measured. It was found to be a good deal higher than the geothermal flow, which is one of the causes

✓

Card 3/4

Glaciologic investigations of...

S/169/61/000/012/042/089
D228/D305

of the existence of the oasis. Abstracter's note: Complete translation.

Card 4/4

SAVEL'YEV, B.A.

Glaciological studies of the Fourth Antarctic Expedition, 1959.
Biul. MOIP. Otd. geol. 36 no.2:135-136 Mr-Ap '61. (MIRA 14:7)
(Antarctic regions--Giaciologial research)

SAVEL'YEV, B.A.

Peculiarities of the composition of the ice sheet of Antarctica.
Vest.Mosk.un. Ser.4:Geol. 17 no.3:45-50 My-Je '62. (MIRA 15:6)

1. Kafedra merzlotovedeniya Moskovskogo universiteta.
(Antarctic regions—Ice)

SAVEL'YEV, Boris Aleksandrovich; TROSHKINA, Ye.S., red.;
GEORGIYEVA, G.I., tekhn. red.

[Manual on the study of the properties of ice] Rukovod-
stvo po izucheniiu svoistv l'da. Moskva, Izd-vo Mosk. univ.
1963. 197 p. (MIRA 16:10)

(Ice)

AM4016090

S/

Savel'yev, Boris Aleksandrovich

Structure, composition, and properties of the ice cover on sea and
fresh water reservoirs (Stroyeniye, sostav i svoystva ledyanogo
pokrova morskikh i presnykh vodoyemov) [Moscow] Izd-vo Mosk.
univ., 63. 0540 p. illus., biblio. Errata slip inserted.
1,200 copies printed.

TOPIC TAGS: ice cover, fresh water ice, salt water ice, ice crystal formation, ice x-ray structure, ice texture, ice phase composition, ice salt content, ice porosity, ice strength, ice thermal properties, ice mechanical properties

PURPOSE AND COVERAGE: The book is devoted to phenomena produced in the ice cover by external conditions, to the internal features of the ice cover and its composition and its structure and porosity, and to the interdependence of these factors and their variation in the course of time as well as their influence on the mechanical properties of the ice cover. The book is limited to ice over sea and
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fresh water reservoirs, which are of greatest interest to the national economy. Only the physical and physicochemical phenomena which occur in different periods of the lifetime of the ice cover are treated. The material is based on earlier Soviet and other literature sources and on research done by the author and others in various scientific institutions. Much emphasis is placed on the determination of the content of liquid phase in sea ice and measurement of heat flow in the ice cover.

TABLE OF CONTENTS [abridged]:

Introduction -- 3

Part I. Structure and composition of ice cover on sea and fresh-water reservoirs -- 15

Sec. 1. Structure of ice during the process of formation, growth, and disintegration of the ice cover -- 15

Card 2/3

AM4016090

Sec. 2. Phase and salinity composition of ice as a function of the physical and chemical processes occurring in the ice cover. Migration of brine and salts in the ice cover -- 147

Sec. 3. Porosity of ice cover -- 238

Part II. Thermal and mechanical properties of ice cover on sea and fresh water reservoirs -- 269

Sec. 4. Thermal properties of ice cover on sea and fresh water reservoirs -- 269

Sec. 5. Mechanical properties of ice cover during the course of its formation, growth, and disintegration -- 401

SUB CODE: PH, CH, IE SUBMITTED: 17May63 NR REF SOV: 174

OTHER: 086 DATE ACQ: 10Dec63

Card 3/3

L 41257-65 EWT(1) GW
ACCESSION NR AM038586

BOOK EXPLOITATION

S/

7

B+I

Sevel'yev, Boris Aleksandrovich

Handbook for the study of the properties of ice (Rukovodstvo po izucheniyu svoystv l'da), [Moscow], Izd-vo Mosk. univ., 1963, 197 p. illus., bibliog.
Errata slip inserted. 1,000 copies printed.

TOPIC TAGS: ice, snow

TABLE OF CONTENTS [abridged]:

Foreword --	3
Ch. I. Methods of studying the structure of ice and snow --	5
Ch. II. Study of the salinity of ices and brine in them --	52
Ch. III. Quantitative analysis of liquid and solid phases in salty	ices -- 8'
Ch. IV. Measuring the density and porosity of ice --	97
Ch. V. Analysis of the gas composition of air in ice pores --	111
Ch. VI. Testing ice for strength --	124
Ch. VII. Methods of studying the thermal properties of ice --	15'

Card 1/2

Submitted: 1 JUL 63

SAVEL'YEV, B.A.

Glacial studies of the Fourth Joint Antarctic Expedition
in 1959. Merzl. issl. no.3:18-36 '63. (MIRA 17:6)

SAVEL'YEV, B.A.; TULINOV, R.G.

Basic characteristics of the glaciation in the Malay^e
Almatinka Basin. Merzl. issl. no.3:103-111 '63.

Formation of mudflows in the Malaya Almatinka Basin.
(MIRA 17:6)
Ibid.:112-117

SAVEL'YEV, B.A.; UKHOV, S.B.

Formation of an impressed cup in the dense snow by a rigid
cylindrical die. Merzl. issl. no. 3:348-353 '63.
(MIRA 17:6)

SAVEL'YEV, B.A.; GULIKOV, A.Ye.

Methods for obtaining ice of a definite structure. Vest. Mosk. un. Ser. 4; Geol. 18 no. 3:55-67 My-Je '63. (MIRA 16:10)

1. Kafedra merzlotovedeniya Moskovskogo universiteta.

ZUYEV, V.Ye.; KABANOV, M.V.; SAVEL'YEV, B.A.

Damping of a light signal in a dispersive medium. Part 3. Izv.
vys. ucheb. zav.; fiz. no.5:80-85 '64. (MIRA 17:11)

1. Sibirskiy fiziko-tehnicheskiy institut pri Tomskom gosudarstvennom universitete imeni Kuybysheva.

ACC NR: AR7004114 (N) SOURCE CODE: UR/0169/66/000/012/V055/V056

AUTHOR: Savel'yev, B. A.

TITLE: Energy of metamorphosis of the upper layers of the ice cover of Central Antarctica

SOURCE: Ref. zh. Geofizika, Abs. 12V354

REF SOURCE: Sb. Muzeya zemleved. MGU, no. 3, 1965, 94-103

TOPIC TAGS: ice, ~~sea ice, ice cover, metamorphosis, metamorphosis energy, ice grain, ice crystal~~ SNOW, GLACIER, GEOPHYSICS, EARTH THERMO-DYNAMICS, GLACIOLOGY / CENTRAL ANTARCTICA

ABSTRACT: Changes in density, surface shape, and the magnitude of contacts between individual ice grains and crystals produce a discharge or absorption of energy known as the energy of metamorphosis. Crystal surface changes in the porous body affect the thermal regime of a glacier. The energy of metamorphosis Q, was computed from density measurements made in 1959 in the upper 50-m layer of the snow cover, along a line situated between Vostok and the South Pole, by direct gamma- and gamma-neutron well logging, without disturbing the con-

Card 1/3

UDC: 551.324. 1(99)

ACC NR: AR7004114

The energy of metamorphism was found to undergo sharp changes in the upper layers of the glacier. A depthwise extrapolation of curves $Q = f(x)$ shows a decrease in Q to zero at about the 100-m depth. Below this horizon the energy of metamorphism does not affect the thermal regime of the ice. Particularly significant changes in the energy of metamorphism were noted in the upper 50-m, where considerable changes in effective surface take place. A bibliography of 7 titles is included. [Translation of abstract] [SP]

SUB CODE: 08/

Card 3/3

ACC NR: AR7004113 (N) SOURCE CODE: UR/0169/66/000/012/V055/V055

AUTHOR: Savel'yev, B. A.; Simunova, E. L.

TITLE: Mean annual temperature of the surface of Antarctic Continent

SOURCE: Ref. zh. Geofizika, Abs. 12V352

REF SOURCE: Sb. Muzeya zemleved. MGU, no. 3, 1965, 257-259

EARTH THERMODYNAMICS,
TOPIC TAGS: Antarctic climate, temperature, ~~annual temperature, mean~~,
~~annual temperature, glacier, isotherm, ice cover~~, glaciology, isohypse,
geophysics/Antarctica

ABSTRACT: An approximate isothermal chart of annual zero amplitudes of the ice cover of Antarctica (the Antarctic Continent) was compiled by the authors from temperatures recorded in the upper layers of the ice cover at 23 points in the central and peripheral zones of Antarctica. Isotherms of annual zero amplitudes are in good agreement with the isohypsies, and apparently are related to elevation points and the configuration of the continent. The coldest part of Antarctica is clearly outlined, delineated by the -57C mean annual isoline. In

Card 1/2

UDC: 551.324.412(99)

ACC NR: AR7004113

plotting the chart, an analysis was made of the stratigraphy of the temperature field of the ice cover in a given geographic location. Graphs of temperature variations with depth are plotted from temperature measurements logged in a well; these show horizons in which the amplitude of temperature fluctuations during the year equals zero. The temperature of this horizon was taken as the mean annual temperature of the surface of the ice cover. The temperature is clearly apparent on the graph at the point of change in the vertical temperature trend within the body of the glacier. As a rule a horizon with such a temperature is of 10-15 m below the surface. A bibliography of 5 titles is included!

G. Deyev. [Translation of abstract]

[SP]

SUB CODE: 08/

Card 2/2

133-2-2/19

C. Mechanism of the Hardening of Pellets in Roasting

also found that the nature of the surface of grains (crushed or uncrushed) has an influence on the final strength of pellets fired under the same conditions (crushed grains produce a higher strength). The influence of lime addition is positive up to 3% due to lowering of the softening temperature of gangue material and negative at higher concentrations, due to separation of iron oxide grains. It is concluded that magnetite pellets should be fired under strongly oxidising conditions at high temperatures in order to oxidise magnetite to hematite quickly and as fully as possible, then the firing temperature should be raised to the established limit and maintained until recrystallisation of the hematite formed is completed. The duration of the process is from 10-30 min, the temperature 1200-1300°C, depending on the nature of the gangue material. For hematite pellets the duration and temperature of the firing can be somewhat lowered if ore is crushed before beneficiation, otherwise a temperature above 1300°C is necessary. There are 11 figures and 2 English references.

ASSOCIATION: Moscow Steel Institute (Moskovskiy Institut Stali)

AVAILABLE: Library of Congress.
Card 2/2

EUFERSON

DANCHEVSKIY, V.I.; SAVELYEV, B.I.; BORISOV, V.V., red.;
SHABALINA, Z.S., red.-leksikograf

[Italian-Russian military dictionary] Ital'iansko-russkii
voennyi slovar'. Moskva, Voenizdat, 1965. 404 p.
(MIRA 18:6)

ACC NR:AT6023384

the authors suggest that the phase shifter be powered by the voltage derived from the clock generator. The clock frequency should be divided by an appropriate amount, and the output pulses from the last divider stage should be reshaped by regenerative broadening circuits to reduce the effect of transmission delay. To reduce the threshold instability, the authors present a tube circuit with transformer feedback which has a threshold of 0.5V. The substitution of tubes and the variation of filament voltages from 5.8 to 6.8V cause the threshold level to vary by ± 0.05 and 0.2V, respectively. However, since both the reference and the shifted voltages pass through similar circuits, the effective error is only $\pm 0.6\%$ when the anode and the input voltages are changed by $\pm 10\%$. Orig. art. has: 4 figures.

SUB CODE: 09,13/ SUBM DATE: 20Sep65/ ORIG REF: 002

Card 2/2

L 11118-66	EWT(d)/EWP(1)	IJP(c)	BB/GG	SOURCE CODE: UR/0146/65/008/006/0068/0072	44
ACC NR: AP6002173					44
AUTHOR: <u>Pautov, V. I.</u> ; <u>Savel'yev, B. N.</u> ; <u>Skuridin, V. P.</u> 44					
ORG: Dept. of Automation and Telemechanics, <u>Ural Polytechnic Institute im. S. M. Kirov</u> (Kafedra avtomatiki i telemekhaniki, Ural'skiy politekhnicheskiy institut) 44					
TITLE: Contactless shaft-position to code converter with parallel readout					
SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 6, 1965, 68-72					
TOPIC TAGS: analog digital converter, computer component 16c,44					
ABSTRACT: A <u>position-to-code converter</u> operating on the principle of intermediate phase shift is described. The code wheel is masked according to the Grey code, and angular displacements may be coded in degrees, radians or the graduations of any other angular scale. A block diagram of the converter is shown in the figure. The strobe pulse is applied to the left inputs of the AND gates, which are controlled by the code scanner at the right inputs. Coincidence produces a binary coded output. The frequency scaler together with the code scanner may be set to give an output in discrete units equal to $\Delta\phi = 360^\circ/2K$, where K is the ratio of clock pulse repetition frequency to the pulse repetition frequency of the highest order track of the code wheel. The same reduction factor may be obtained by eliminating section a (see Fig. 1) from the code wheel. Practical considerations limit the number of bits of the					
Card 1/8	UDC: 681.142.621				

ACC NR: AP6002173

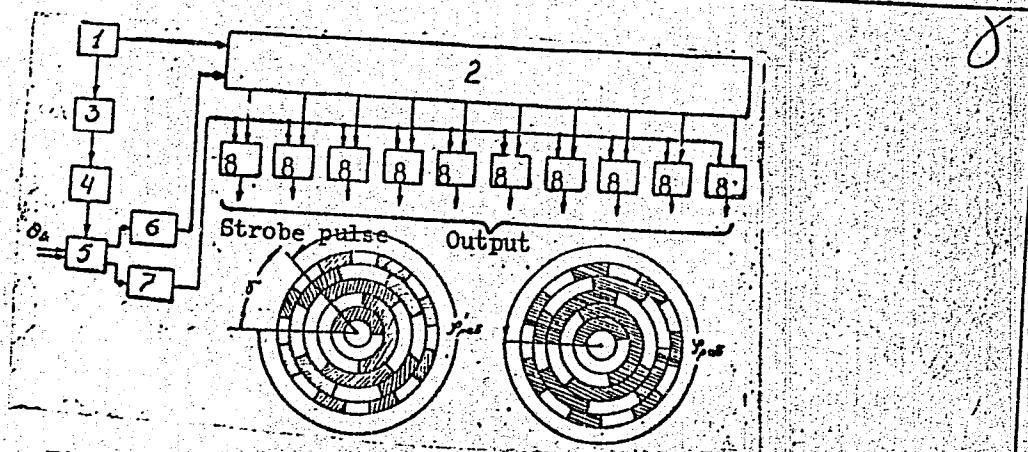


Fig. 1. Position-to-code-converter

1 - System clock; 2 - code scanner; 3 - frequency
scaler; 4 - filter tuned to phase-shifter power
frequency; 5 - induction-type phase shifter;
6, 7 - strobe pulse generators; 8 - AND gates.

converter output to 12--13; attainable linearity is ± 1 angular minute. Orig. art.
has: 3 figures and two formulas. [BD]

Card 2/3

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7

ACC NR: AP6002173

SUB CODE: 09/ SUBM DATE: 06Oct64/ ATD PRESS: 4176

CC
Card 3/3

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7"

SA VEL'YEV, B.V.

GUTMAN, Ye. I., redaktor; DZYUBA, M.L., redaktor; POLYANOVSKIY, V.M.,
redaktor; YUROVITSKIY, Ye. N., redaktor; ABROSIMOV, M.A., redaktor;
GERASIMOV, P.K., redaktor; D'YAKOV, M.I., redaktor; SAVEL'YEV, B.V.,
redaktor; TSITSIN, N.V., redaktor; YAKUSHKIN, I.V., redaktor

[Collective farmer's calendar for 1948] Kalendar' kolkhoznika na
1948 god. [n.p.] Gos. izd-vo sel'khoz. lit-ry [n.d.]
78 p.

(MILRA 10:4)

(Collective farms)

SAVEL'YEV, B. V.

"Eociaslistic Agriculture on the Ascent, Several Results of the 1947 Agricultural Year,"
Sov. Agron. No. 1, 1948.

1. SAVEL'YEV, B.V.
2. USSR (600)
4. Agriculture
7. Increasing yield is the main problem in agriculture. Kolkh.proiz., 12, no. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

DEMEZER, A.A., redaktor; DZYUBA, M.L., redaktor; YUROVITSKIY, Ye.I.,
redaktor; Gerasimov, P.K., redaktor; KARAVAYEV, A.A., redaktor;
PEROV, S.V., redaktor; SAVEL'YEV, B.V., redaktor; YAKUSHKIN, I.V.,
redaktor; PERESYPKINA, Z.D., tekhnicheskiy redaktor

[Collective farm worker's calendar for 1955] Kalendar' kolkhoznika
na 1955 god. Moskva, Gos. izd-vo selkhoz. lit-ry. [1954] 174 p.
[Microfilm] (MLRA 9:8)
(Agriculture--Yearbooks)

DEMEEZER, A.A.; DZYUBA, M.L.; YUROVITSKIY, Ye.I.; Gerasimov, P.K., redaktor;
KARAVAYEV, A.A., redaktor; PEROV, S.V., redaktor; SAVEL'YEV, B.V.,
redaktor; YAKUSHKIN, I.V., redaktor; VESKOVA, Ye.I., tekhnicheskaya
redaktor

[Collective farmer's almanac for 1957] Kalendar' kolkhoznika na
1957 god. Moskva, Gos. izd-vo selkhoz. lit-ry [1956] 175 p.
(Almanacs) (Agriculture) (MIRA 9:12)

S A V E L ' Y E V , B . V .

DEMEVER, A.A.; DZYUBA, M.L.; YUROVITSKIY, Ye.I.; GERASIMOV, P.K., red.;
KARAVAYEV, A.A., red.; PEROV, S.V., red.; S A V E L ' Y E V , B . V . , red.;
YAKUSHKIN, I.V., red.; VESKOVA, Ye.I., tekhn.red.; PIVZNER, V.I.,
tekhn.red.

[Yearbook for the collective farm worker for 1958] Kalendar'
kolkhoznika na 1958 god. Moskva, Gos. izd-vo sel'khoz. lit-ry,
[1957] 175 p. (MIRA 11:6)

(Agriculture--Yearbooks)

L 08973-67

ACC NR: AP6022050

SOURCE CODE: UR/0146/66/009/003/0003/0009

32

AUTHOR: Pasynkev, V. V.; Savel'yev, B. Ye.; Shinkov, A. D.

ORG: Leningrad Electrotechnical Institute im. V. I. Lenin (Leningradskiy elektrotekhnicheskiy institut)

TITLE: Using an electric integrator for measuring carrier lifetime in transistors

SOURCE: IVUZ. Priborostroyeniye, v. 9, no. 3, 1966, 3-9

TOPIC TAGS: transistor, carrier lifetime

ABSTRACT: The use of an electric simulator for determining carrier effective lifetime and its dependence on transistor configuration and semiconductor parameters is considered. Assumptions: The barrier capacitance and generation-recombination effects are neglected; the level of injection of minority carriers into base is low. The simulation is based on the method of determining

Card 1/2

UDC: 621.382.333.3

SAVEL'YEV, D.

Make wider use of the boring and blasting method of quarrying
stone. Sel'. 11 no. 315 Mr '57. (MLRA 10:5)
(Quarries and quarrying)

S A V E L ' Y E V , D .

137-1957-12-23266

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 59 (USSR)

AUTHORS: Lebedev, A., Savel'yev, D.

TITLE: The Operation of Recovery Boilers Installed With Open-hearth furnaces
(Rabota kotlov-utilizatorov, ustanovlennykh za martenovskimi
pechami)

PERIODICAL: V sb.: Kotly-utilizatory martenovsk. pechey. Moscow,
Metallurgizdat, 1957, pp 172-180

ABSTRACT: The boiler room of a open-hearth furnace shop contains two KU-50 recovery boilers (RB) with a steam-generating capacity of 2.7 to 3.4 t/hr and a steam pressure of 2.4 to 3.7 atu. The efficiency of the RB is less than originally anticipated; this is explained by the following factors: 1) low efficiency of the compressed-air blasting of the heating surfaces (in 15 days of operation the productivity of the RB decreased from 3.7 to 1.5 t/hr); 2) insufficient capacity of the exhaust system results in the passage of only a portion (36-67 percent) of the gases from the open-hearth furnaces through the RB's; 3) unsatisfactory exhaust system for the removal of gases from the RB's resulting in reduced draft. The replacement of air blasting of the heating surfaces by washing

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137-1957-12-23266

The Operation of Recovery Boilers Installed with Oren-hearth Furnaces

with feed water at 60-70° proved to be effective and resulted in an increase in the productivity of the RB's by 3.7 to 4 t/hr. The heating surfaces are washed daily for about 15 to 20 minutes.

Ye. N.

1. Boilers-Operation
2. Furnaces-Applications

Card 2/2

SAVEL'YEV, D.

Printing machines [with summary in English, p. 42]. Vnesh. torg.
27 no.1:26-29 '57. (MIRA 10:4)
(Printing machinery and supplies)

MOSKOVKINA, Emiliya Genrikhovna; SAVEL'YEV, Dmitriy Andreyevich;
KLYAVIN', E., red.

[Conservation in the Latvian S.S.R.; collection of laws,
decrees and regulations on conservation] Okhrana prirody
v Latviiskoi SSR; sbornik zakonov, postanovlenii i polo-
zhenii po okhrane prirody. Riga, Latviiskoe gos. izd-vo,
1963. 195 p. (MIRA 17:5)

1. Latvian S.S.R. Laws, statutes, etc.

L 34867-65 EWT(1)/EWT(m)/EPA(w)-Z/EEC(t) PC-4/Pab-10 RM
ACCESSION NR: AP5005057 S/0051/65/018/002/0343/0344

AUTHOR: Dmitrievskiy, O. D.; Savel'yev, D. A.; Terenin, A. N.

TITLE: Spectral observation of intermolecular electron transport in dye solvents

SOURCE: Optika i spektroskopiya, v. 18, no. 2, 1965, 343-344

TOPIC TAGS: organic dye, intermolecular electron transport, absorption band, fluorescence quenching

ABSTRACT: A procedure based on the photopulse method, used by one of the authors previously (Dmitrievskiy, Opt. i spektr., v. 16, 1061, 1964), was applied to the dyes tripaflavine and acridine orange. As in the earlier investigation, the absorption spectrum of the solution in the visible region was swept for 50 μ sec with an oscilloscope (duration of the exciting photoflash), using a high-speed photoelectric spectrophotometer described elsewhere (Opt. i spektr., v. 16, 1061, 1964; Tezisy dokl. 15 Soveshch. po spektr., Abstracts of Reports of 15th Conference on Spectroscopy, Minsk, p. 166, 1963). The solvents used were methanol, pyridine, dioxane, dimethyl formamide, acetone, and nitromethane. Positive results were obtained only with acetone and nitromethane. Photoexcitation of the solution in the

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ACCESSION NR: AP5005057

glass cuvette 20 mm in diameter and 85 mm long was carried out with two flash lamps IFK-2000 with total (electric) flash energy of 400 J, through a filter that limited the excitation only to the absorption band of the dye. Illumination with full light from the flash lamp led to the same results. The results show an absorption peak at 680 nm, due to the positive ion radical diphenyl amine, with a lifetime approximately 100 μ sec. It is confirmed that intermolecular transfer of electrons is aided by the fact that the molecules between which the electron was transferred formed a donor-acceptor pair. It must therefore be taken into account that the solvent serves in this mechanism not only as the dielectric medium, but also as the agent that favors the transport of the electron from the donor to the acceptor. Analogous results were obtained by using acridine orange in lieu of tripaflavine.

Orig. art. has: 1 figure.

ASSOCIATION: None

SUBMITTED: 04Apr64

ENCL: 00

SUB CODE: OP

NR REF Sov: 004

OTHER: 002

Card 2/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7

DMITRIYEVSKIY, O.D.; SAVELYEV, D.A.; TERENIN, A.N.

Spectral detection of intermolecular electron transport in dye
solutions. Opt. i spektr. 18 no.2:343-344 F '65.

(MIRA 18:4)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447320003-7"